

Fig. 1

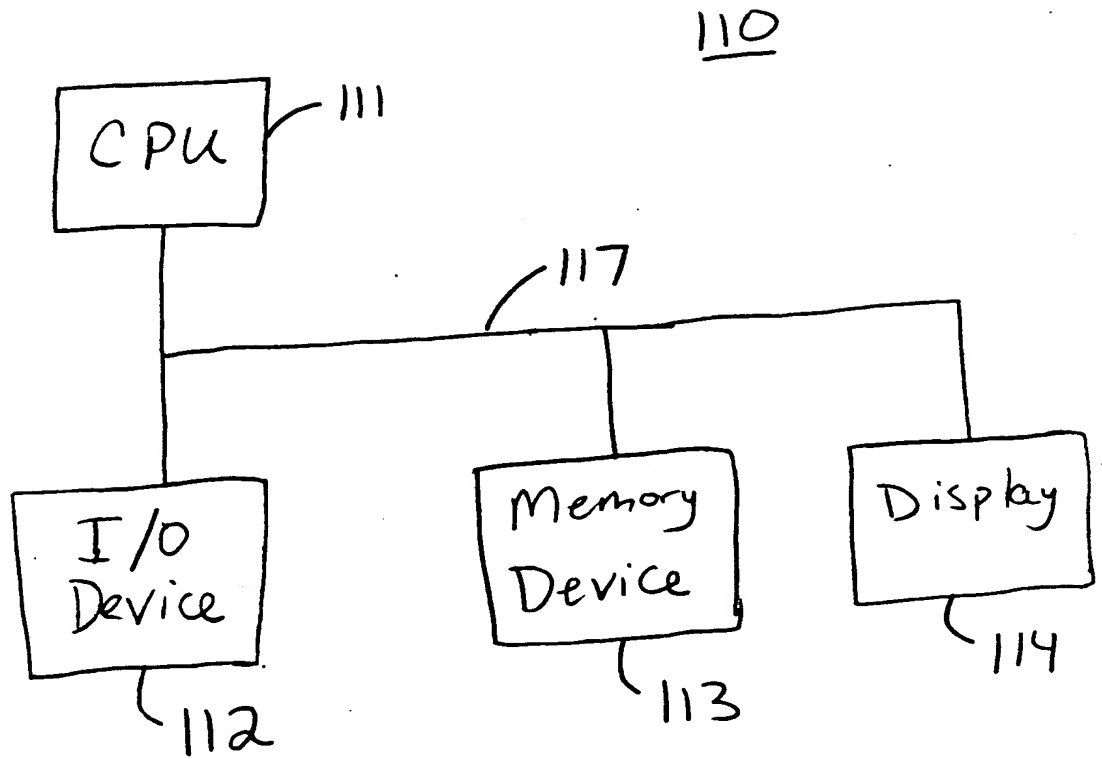


Fig. 2

10028831.122001  
FOOZT" T882001

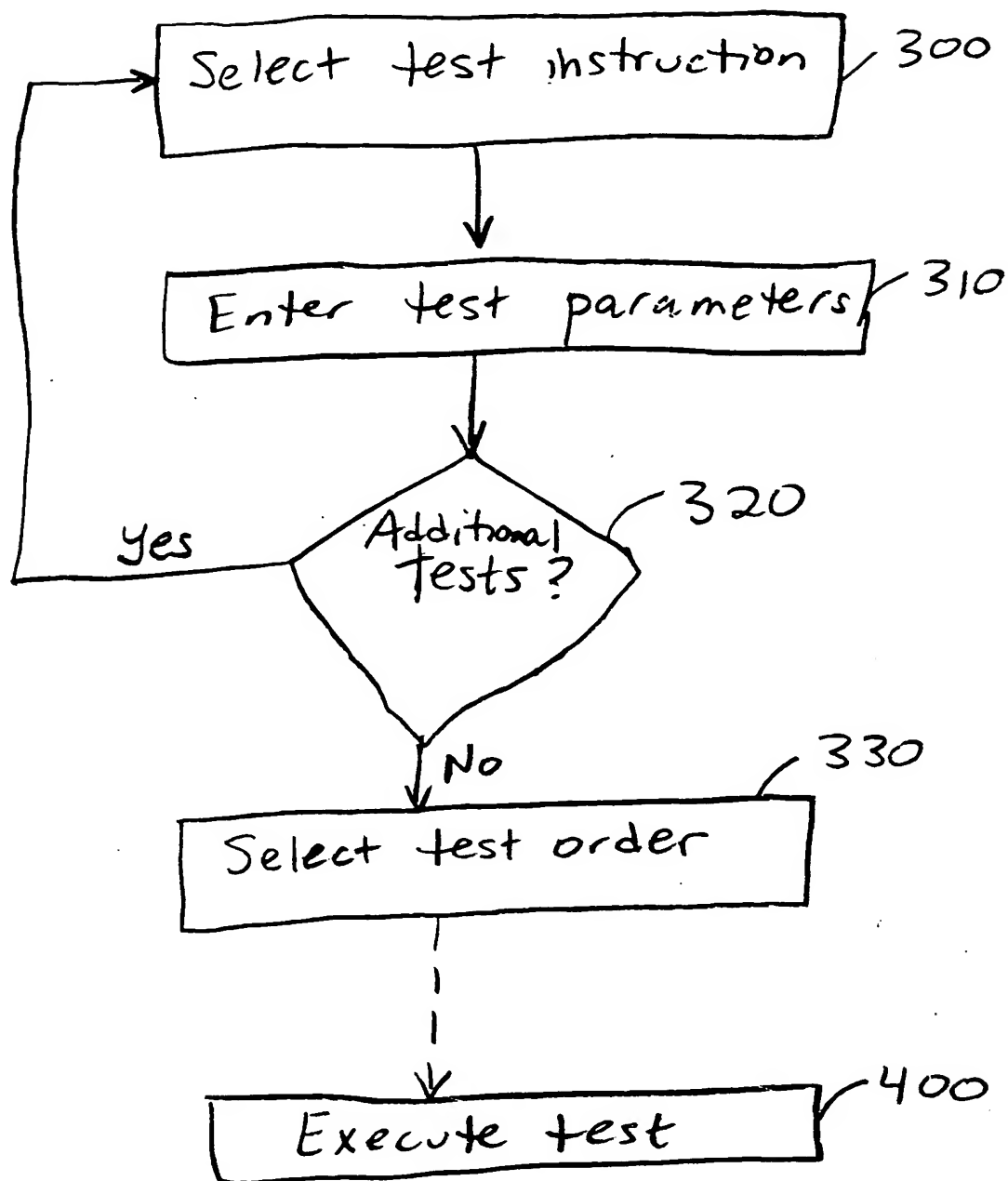


Fig. 3

10028831.1.122001

Sequence editor.vi  
 File Sequence Tests Help

## Sequence Editor

Sequence under edit: Current sequence:

Test	Parameters
1 Ratio	TM= 40 C; Tm= 10 C; Tp= 1 :
2 Resistance	TC= 10.0 $\Omega$ ; TM= 40 C; Tm= 10 C; Tr= 85 C; Tp= 4096 :
3 No load test	TV= 100 $\Omega$ ; R1= 1 $\Omega$ /s; R2= 1 $\Omega$ /s; SR= 2.0 $\Omega$ ; TM= 40 C; Tm= 10 C; Tr= 20 C; Cr= 1 :
4 Induced test	TV= 2.00 X; R1= 1 $\Omega$ /s; R2= 1 $\Omega$ /s; TD= 6000 Cy; TM= 40 C; Tm= 10 C:
5 Load test	TC= 100 $\Omega$ ; R1= 31 $\Omega$ /s; R2= 81 $\Omega$ /s; SR= 2.0 $\Omega$ ; TM= 40 C; Tm= 10 C; Tp= 0 T; Tr= 75 C:
6 Applied, High	TV= 1.00 $\Omega$ ; R1= 20 $\Omega$ /s; R2= 1 $\Omega$ /s; TD= 60 s; TM= 40 C; Tm= 10 C:
7 Applied, Low	TV= 1.00 $\Omega$ ; R1= 20 $\Omega$ /s; R2= 2 $\Omega$ /s; TD= 60 s; TM= 40 C; Tm= 10 C:
8 Megger, HL	TV= 5000 V; TD= 60 s; TM= 40 C; Tm= 10 C; M1= 15 s; M2= 60 s:
9 Megger, HG	TV= 5000 V; TD= 60 s; TM= 40 C; Tm= 10 C; M1= 15 s; M2= 60 s:
10 Megger, LG	TV= 2500 V; TD= 60 s; TM= 40 C; Tm= 10 C; M1= 15 s; M2= 60 s:
11 Resistance	TC= 10.0 $\Omega$ ; TM= 40 C; Tm= 10 C; Tr= 75 C; Tp= 4096 :
12 Ratio	TM= 40 C; Tm= 10 C; Tp= 8192 :

☐ New sequence

☐ Open sequence

☐ Save sequence

☐ Exit editor

**Test configuration**

☐ No load test

☐ Induced overvoltage test

☐ Load test

☐ Applied on the high

☐ Applied on the low

☐ Megger high & low

☐ Megger high & ground

☐ Megger low & ground

☐ Winding resistance

☐ Voltage ratio

☐ Magnetizing current

Fig. 4

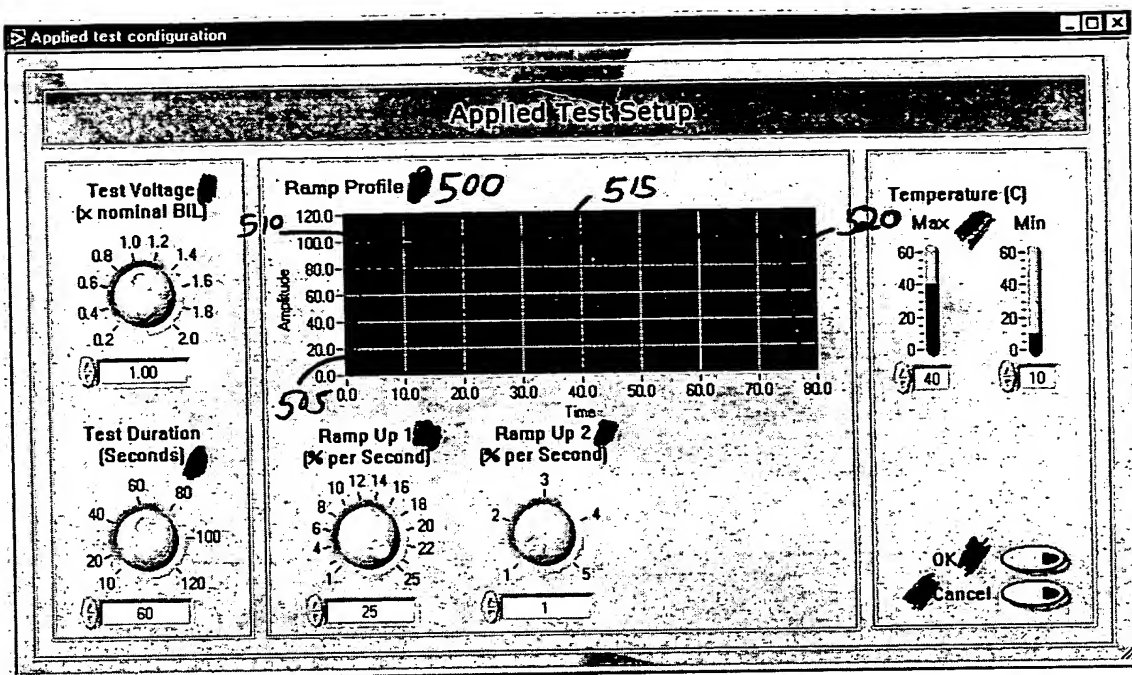


Fig. 5

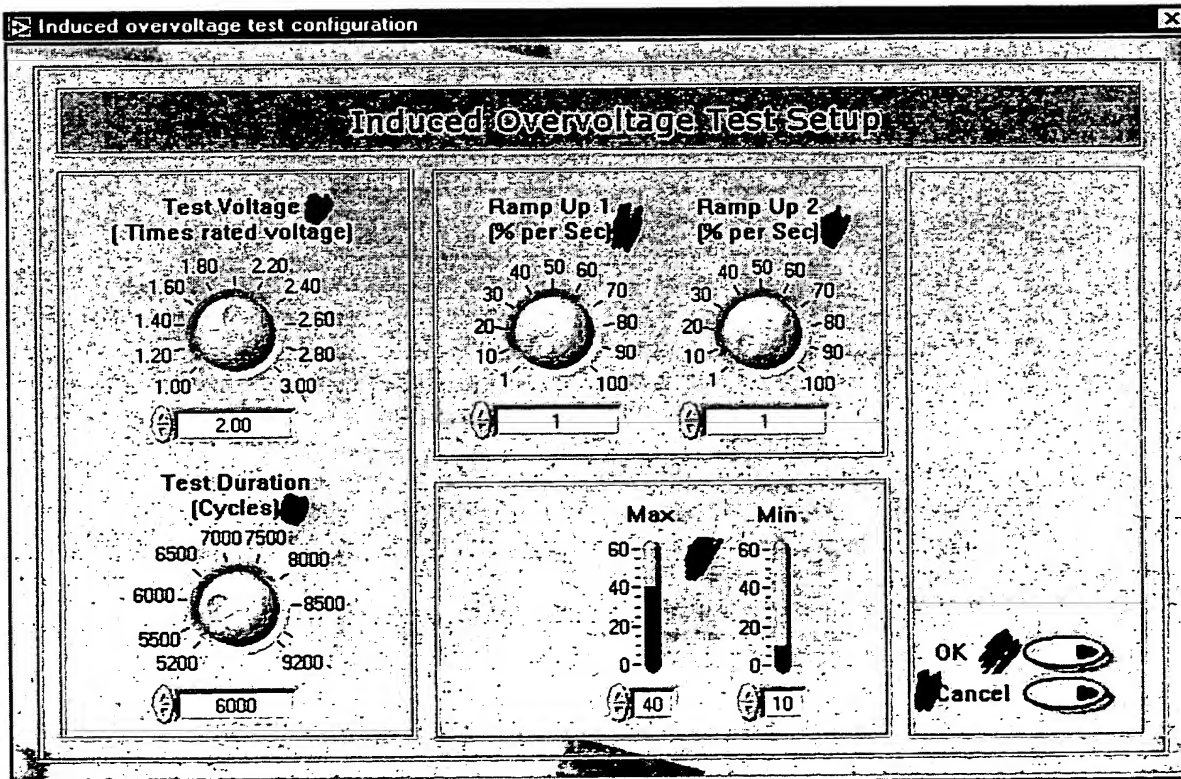


Fig. 6

10028831.122001

**Load test configuration**

### Load Test Setup

**Test Current**  
(Percent of nominal current)

**Ramp Up 1**  
(% per Sec)

**Ramp Up 2**  
(% per Sec)

**Stability Range**  
(Percent of test current)

**Tap**

Nominal

**T ref**

**Temperature (C)**

Max Min

OK

Cancel

Fig. 7

**Setup-Mag current.vi**

### Magnetizing Current

**Test Voltage**  
(V)

**Ramp Up 1**  
(% per Sec)

**Ramp Up 2**  
(% per Sec)

**Stability Range**  
(Percent of test voltage)

**Max**

**Min**

OK

Cancel

Fig. 8

1002221-TEB2001

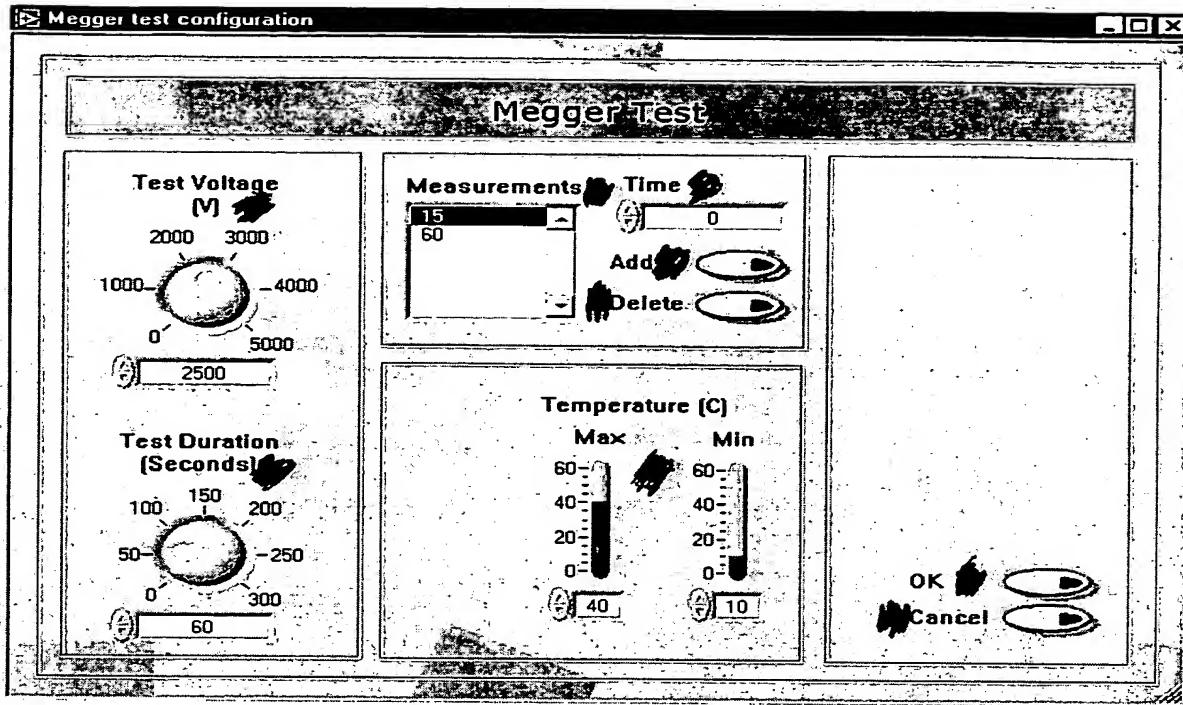


Fig. 9

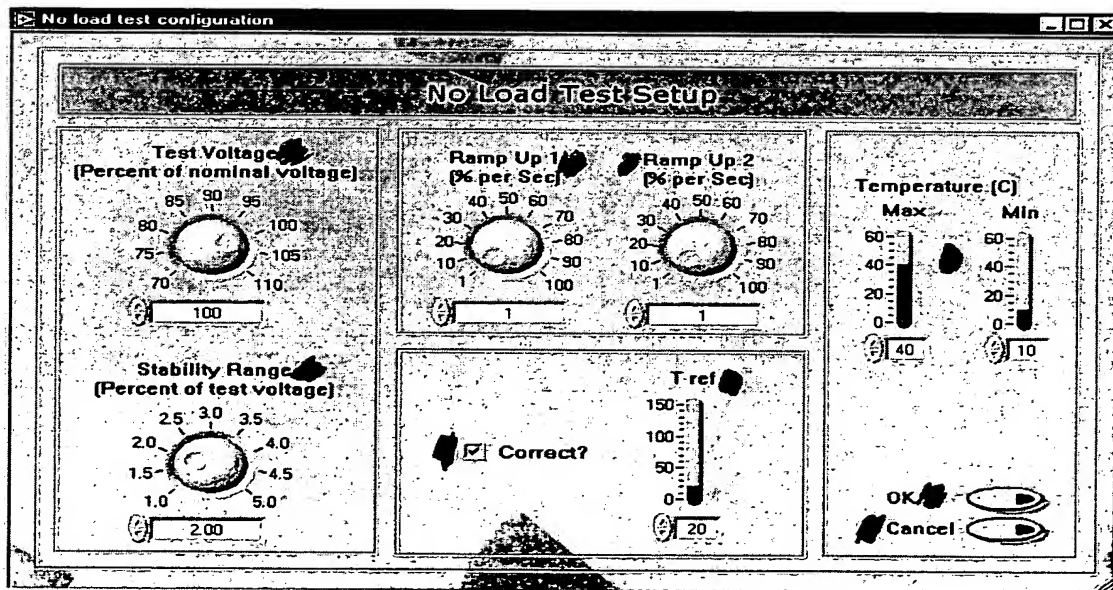


Fig. 10

1002221-122001

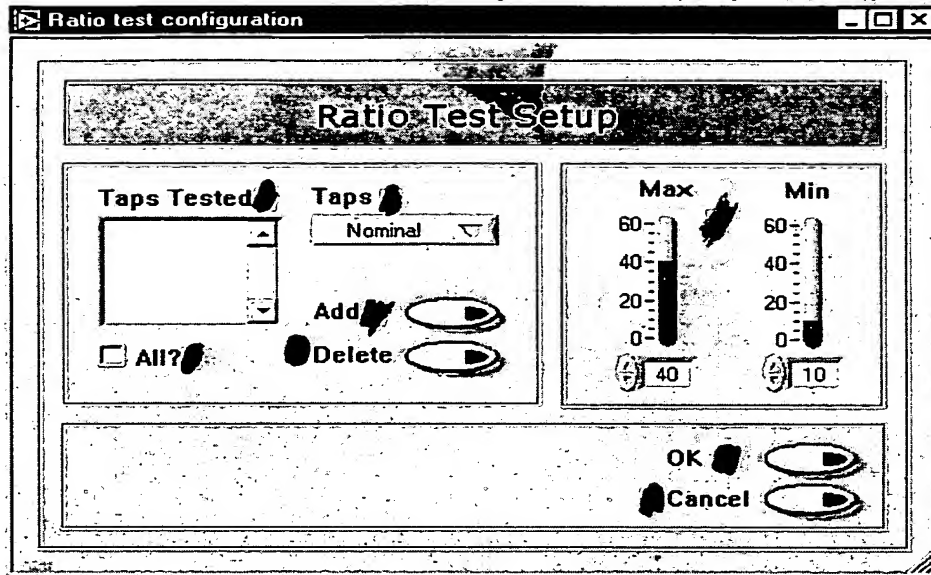


Fig. 11

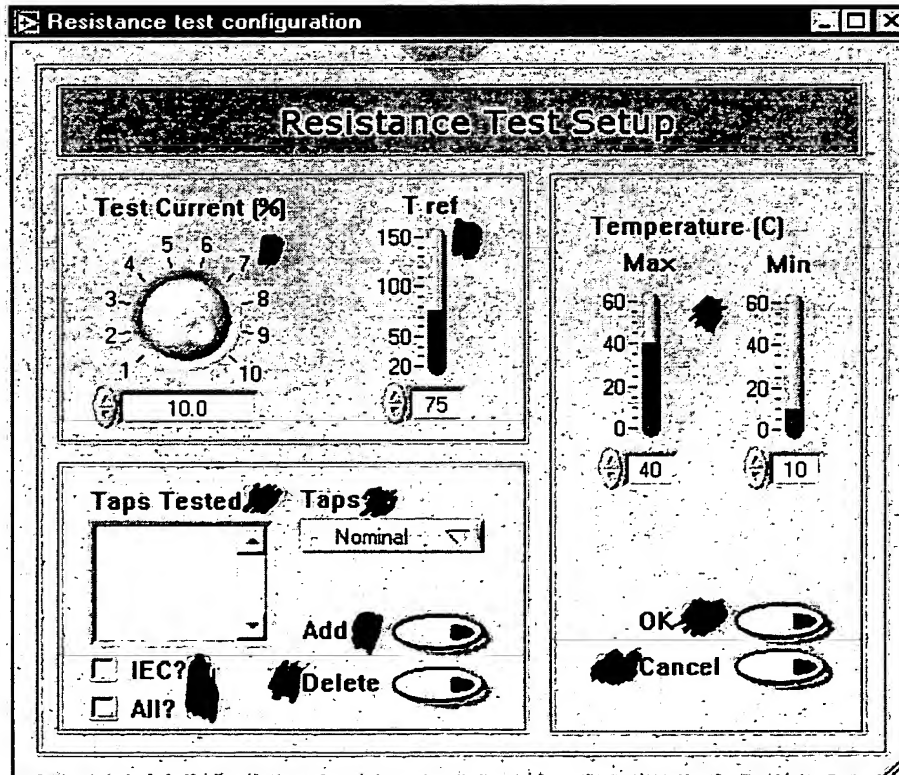


Fig. 12

10023831-122001



## Automated Test

### Hardware Status

CT Tap: ☒ All Open ☐ No Tap

PT Tap: ☒ All Open ☐ No Tap

Megger switch: ☒ ☐

Visible disconnect: ☒ ☐

Shorting switch: ☒ ☐

Resistance H switch: ☒ ☐

Resistance L switch: ☒ ☐

Output mode: 50 Hz TTS

Deck: 1 2 3

Sw. Network: En En En

Output energized: ☒

Emergency: ☒

Error: ☒

### Test Results

Applied

Side	Vt	Status
1	380	ERR

Induced

Side	Vt	Status
1	380	ERR

Losses

Load loss

Vt	Imp	Status
336.0		ERR

No load loss

Vt	Status
254.1	ERR

At 100%  
Total losses 0.00

Mag. current

Vt	I	Status
380		ERR

Megger

Side	Vt	Status
HG	2000	ERR
HL	2500	ERR

Ratio

Tap	Status
1	

Resistance

Tap	Status
1	

### Temperature

50  
25  
0

21.26

Tester: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

### Commands

☐ Start

☐ Stop

☐ Reset

☐ Change TUT

### Screen

☒ Hardware status

☐ Details

☐ Exit

### Test Sequence

#	Test	Parameters
1	Ratio	TM= 40 C; Tm= 10 C; TP= 30
2	Resistance	TC= 50 A; TM= 40 C; Tm= 10 C; TP= 40
3	Mag current	TV= 380 V; RU= 1 V/s; AT= 1; SR= 2.0 %; TM= 40 C; T
4	Load test	TC= 100 %; RU= 1 V/s; AT= 1; SR= 2.0 %; TM= 40 C; T
5	No load test	TV= 105 %; RU= 1 V/s; AT= 1; SR= 2.0 %; TM= 40 C; T
6	Megger, HL	TV= 2500 V; TD= 60 s; TM= 40 C; Tm= 10 C; M1= 15 s;
7	Megger, HG	TV= 2000 V; TD= 60 s; TM= 40 C; Tm= 10 C; M1= 15 s;

Fig. 13